

I claim:

1. A breathing apparatus, comprising:

a filtering unit, the filtering unit including an inlet for receiving contaminated air and at least one filter for

5 converting the contaminated air to purified air;

a chamber having an opening, the chamber coupled to the filtering unit for collecting the purified air;

10 a mouthpiece coupled to the chamber, the mouthpiece operable for resting in the mouth of a user so that the user can inhale the purified air through the opening and exhale carbon dioxide through the opening without the use of hands;

15 an outlet coupled to the chamber for releasing the exhaled carbon dioxide; and

a nose plug removably attached to at least one of the chamber and the filtering unit, the nose plug operable for closing nasal passages of the user.

2. The breathing apparatus as set forth in claim 1, further comprising:

20 a transparent bag removably attached to at least one of the nose plug, the chamber and the mouthpiece, the transparent bag operable for preventing contaminated air from entering the eyes, ears and nose of the user when placed over the head of the user.

3. The breathing apparatus as set forth in claim 1, further comprising:

a clip attached to the filtering unit, the clip operable as a whistle and operable for fastening the filtering unit to an article.

4. The breathing apparatus as set forth in claim 1, further comprising:

a clip attached to the filtering unit, the clip operable for fastening the filtering unit to an article.

5. The breathing apparatus as set forth in claim 1, wherein the filtering unit is elongated.

6. The breathing apparatus as set forth in claim 1, wherein the filtering unit, the chamber, the mouthpiece and the nose plug when assembled have a pen-like configuration.

7. A breathing apparatus, comprising:

a filtering unit, the filtering unit including an inlet for receiving contaminated air and at least one filter for converting the contaminated air to purified air;

a chamber having an opening, the chamber coupled to the filtering unit for collecting the purified air;

a mouthpiece coupled to the chamber, the mouthpiece operable for resting in the mouth of a user so that the user can inhale the purified air through the opening and exhale carbon dioxide through the opening without the use of hands;

5 an outlet coupled to the chamber for releasing the exhaled carbon dioxide;

a nose plug removably attached to at least one of the chamber and the filtering unit, the nose plug operable for closing nasal passages of the user; and

10 a transparent bag removably attached to at least one of the nose plug, the chamber and the mouthpiece, the transparent bag operable for preventing contaminated air from entering the eyes, ears and nose of the user when placed over the head of the user.

15 8. A breathing apparatus, comprising:

a filtering unit, the filtering unit including an inlet for receiving contaminated air and at least one filter for converting the contaminated air to purified air;

20 a chamber having an opening, the chamber coupled to the filtering unit for collecting the purified air;

a mouthpiece coupled to the chamber, the mouthpiece operable for resting in the mouth of a user so that the user can inhale the purified air through the opening and exhale carbon dioxide through the opening without the use of hands;

an outlet coupled to the chamber for releasing exhaled carbon dioxide;

a nose plug removably attached to at least one of the chamber and the filtering unit, the nose plug operable for closing nasal passages of the user;

a transparent bag removably attached to at least one of the nose plug, the chamber and the mouthpiece, the transparent bag operable for preventing contaminated air from entering the eyes, ears and nose of the user when placed over the head of the user; and

a clip attached to the filtering unit, the clip operable for fastening the filtering unit to an article.

9. A breathing apparatus, comprising:

a filtering unit, a chamber coupled to the filtering unit, a mouthpiece coupled to the chamber, an outlet coupled to the chamber, a nose clip and a transparent bag when assembled; and

the filtering unit, the chamber coupled to the filtering unit, the mouthpiece coupled to the chamber and the outlet coupled to the chamber when disassembled.

10. A breathing apparatus, comprising:

an air source for storing air;

an outlet coupled to the air source, the outlet operable for releasing the air stored in the air source for inhalation by a user;

5 a filtering unit having an opening, the filtering unit coupled to the outlet, the filtering unit including at least one filter for filtering exhaled carbon dioxide when the user inhales;

10 a mouthpiece coupled to the filtering unit, the mouthpiece operable for resting in the mouth of a user so that the user can inhale air through the opening and exhale the carbon dioxide through the opening without the use of hands;

15 an expandable sac coupled to the filtering unit for collecting the carbon dioxide exhaled by the user; and

20 a nose plug removably attached to at least one of the filtering unit and the air source, the nose plug operable for closing nasal passages of the user.

11. The breathing apparatus as set forth in claim 10, further comprising:

20 a transparent bag removably attached to at least one of the filtering unit and the mouthpiece, the transparent bag operable for preventing contaminated air from entering the eyes, ears and nose of the user when the transparent bag is placed over the head of the user.

12. The breathing apparatus as set forth in claim 10,
further comprising:

a clip attached to the filtering unit, the clip operable as
5 a whistle and operable for fastening the filtering unit to an
article.

13. The breathing apparatus as set forth in claim 10,
further comprising:

10 a clip attached to the filtering unit, the clip operable
for fastening the filtering unit to an article.

14. The breathing apparatus as set forth in claim 10,
wherein

15 the at least one filter is comprised of carbon.

15. The breathing apparatus as set forth in claim 10,
wherein

the air source is an oxygen unit.

20 16. A breathing apparatus, comprising:
an oxygen unit for storing oxygen;

an outlet coupled to the oxygen unit, the outlet operable for releasing the oxygen stored in the oxygen unit for inhalation by a user;

a filtering unit having an opening, the filtering unit coupled to the outlet, the filtering unit including at least one filter comprised of carbon for filtering exhaled carbon dioxide when the user inhales;

a mouthpiece coupled to the filtering unit, the mouthpiece operable for resting in the mouth of a user so that the user can inhale the oxygen through the opening and exhale the carbon dioxide through the opening without the use of hands;

an expandable sac coupled to the filtering unit for collecting the carbon dioxide exhaled by the user;

a nose plug removably attached to at least one of the filtering unit and the oxygen unit, the nose plug operable for closing nasal passages of the user; and

a transparent bag removably attached to at least one of the filtering unit and the mouthpiece, the transparent bag operable for preventing contaminated air from entering the eyes, ears and nose of the user when the transparent bag is placed over the head of the user.

17. A breathing apparatus, comprising:

an oxygen unit for storing oxygen;

an outlet coupled to the oxygen unit, the outlet operable for releasing the oxygen stored in the oxygen unit for inhalation by a user;

a filtering unit having an opening, the filtering unit coupled to the outlet, the filtering unit including at least one filter comprised of carbon for filtering exhaled carbon dioxide when the user inhales;

a mouthpiece coupled to the filtering unit, the mouthpiece operable for resting in the mouth of a user so that the user can inhale the oxygen through the opening and exhale the carbon dioxide through the opening without the use of hands;

an expandable sac coupled to the filtering unit for collecting the carbon dioxide exhaled by the user;

a nose plug removably attached to at least one of the filtering unit and the oxygen unit, the nose plug operable for closing nasal passages of the user;

a transparent bag removably attached to at least one of the filtering unit and the mouthpiece, the transparent bag operable for preventing contaminated air from entering the eyes, ears and nose of the user when the transparent bag is placed over the head of the user; and

a clip attached to the filtering unit, the clip operable for fastening the filtering unit to an article.

18. A breathing apparatus, comprising:

an air source, an outlet coupled to the air source, a filtering unit coupled to the outlet, a mouthpiece coupled to the filtering unit, an expandable sac coupled to the filtering unit, a nose clip and a transparent bag when assembled; and

the air source, the outlet coupled to the air source, the filtering unit coupled to the outlet, the mouthpiece coupled to the filtering unit and the expandable sac coupled to the filtering unit when disassembled.

19. A method for inhaling purified air, the method comprising:

removing a nose clip of a breathing apparatus;

placing the nose clip on a nose of a user, the nose clip operable for blocking nasal passages of the nose; and

placing a mouthpiece of the breathing apparatus in the mouth, the mouthpiece operable for the user to inhale the purified air filtered by a filtering unit of the breathing apparatus.

20. A method for inhaling purified air, the method comprising:

removing a nose clip of a breathing apparatus;

placing the nose clip on a nose of a user, the nose clip operable for blocking nasal passages of the nose;

removing a transparent bag of the breathing apparatus;

placing the transparent bag on a head of the user, the

5 transparent bag operable for preventing contaminated air from entering the nose, a mouth and ears of the user; and

placing a mouthpiece of the breathing apparatus in the mouth, the mouthpiece operable for the user to inhale the purified air filtered by a filtering unit of the breathing apparatus.

21. A method for preventing inhalation of contaminated air, the method comprising:

removing a nose clip of a breathing apparatus;

15 placing the nose clip on a nose of a user, the nose clip operable for blocking nasal passages of the nose; and

placing a mouthpiece of the breathing apparatus in the mouth, the mouthpiece operable for the user to inhale oxygen from an oxygen unit of the breathing apparatus.

20 22. A method for preventing inhalation of contaminated air, the method comprising:

removing a nose clip of a breathing apparatus;

placing the nose clip on a nose of a user, the nose clip operable for blocking nasal passages of the nose;

removing a transparent bag of the breathing apparatus;

placing the transparent bag on a head of the user, the
5 transparent bag operable for preventing contaminated air from entering the nose, a mouth and ears of the user; and

placing a mouthpiece of the breathing apparatus in the mouth, the mouthpiece operable for the user to inhale oxygen from an oxygen unit of the breathing apparatus.

10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
190
200
210
220
230
240
250
260
270
280
290
300
310
320
330
340
350
360
370
380
390
400
410
420
430
440
450
460
470
480
490
500
510
520
530
540
550
560
570
580
590
600
610
620
630
640
650
660
670
680
690
700
710
720
730
740
750
760
770
780
790
800
810
820
830
840
850
860
870
880
890
900
910
920
930
940
950
960
970
980
990
1000